

1/9

SEQUENCE LISTING

<110> Edwards, Mark Richard
Olsson, Per Georg

<120> GENETIC MARKER FOR CORONARY ARTERY DISEASE

<130> ASZD-P01-135

<150> SE 0302121-9

<151> 2003-07-22

<160> 23

<170> PatentIn version 3.2

<210> 1

<211> 389

<212> PRT

<213> Homo sapiens

<400> 1

Met Glu Gly Ala Leu Ala Ala Asn Trp Ser Ala Glu Ala Ala Asn Ala
1 5 10 15

Ser Ala Ala Pro Pro Gly Ala Glu Gly Asn Arg Thr Ala Gly Pro Pro
20 25 30

Arg Arg Asn Glu Ala Leu Ala Arg Val Glu Val Ala Val Leu Cys Leu
35 40 45

Ile Leu Leu Leu Ala Leu Ser Gly Asn Ala Cys Val Leu Leu Ala Leu
50 55 60

Arg Thr Thr Arg Gln Lys His Ser Arg Leu Phe Phe Phe Met Lys His
65 70 75 80

Leu Ser Ile Ala Asp Leu Val Val Ala Val Phe Gln Val Leu Pro Gln
85 90 95

Leu Leu Trp Asp Ile Thr Phe Arg Phe Tyr Gly Pro Asp Leu Leu Cys
100 105 110

Arg Leu Val Lys Tyr Leu Gln Val Val Gly Met Phe Ala Ser Thr Tyr
115 120 125

Leu Leu Leu Leu Met Ser Leu Asp Arg Cys Leu Ala Ile Cys Gln Pro
130 135 140

Leu Arg Ser Leu Arg Arg Arg Thr Asp Arg Leu Ala Val Leu Ala Thr
 145 150 155 160

Trp Leu Gly Cys Leu Val Ala Ser Ala Pro Gln Val His Ile Phe Ser
 165 170 175

Leu Arg Glu Val Ala Asp Gly Val Phe Asp Cys Trp Ala Val Phe Ile
 180 185 190

Gln Pro Trp Gly Pro Lys Ala Tyr Ile Thr Trp Ile Thr Leu Ala Val
 195 200 205

Tyr Ile Val Pro Val Ile Val Leu Ala Ala Cys Tyr Gly Leu Ile Ser
 210 215 220

Phe Lys Ile Trp Gln Asn Leu Arg Leu Lys Thr Ala Ala Ala Ala Ala
 225 230 235 240

Ala Glu Ala Pro Glu Gly Ala Ala Ala Gly Asp Gly Gly Arg Val Ala
 245 250 255

Leu Ala Arg Val Ser Ser Val Lys Leu Ile Ser Lys Ala Lys Ile Arg
 260 265 270

Thr Val Lys Met Thr Phe Ile Ile Val Leu Ala Phe Ile Val Cys Trp
 275 280 285

Thr Pro Phe Phe Phe Val Gln Met Trp Ser Val Trp Asp Ala Asn Ala
 290 295 300

Pro Lys Glu Ala Ser Ala Phe Ile Ile Val Met Leu Leu Ala Ser Leu
 305 310 315 320

Asn Ser Cys Cys Asn Pro Trp Ile Tyr Met Leu Phe Thr Gly His Leu
 325 330 335

Phe His Glu Leu Val Gln Arg Phe Leu Cys Cys Ser Ala Ser Tyr Leu
 340 345 350

Lys Gly Arg Arg Leu Gly Glu Thr Ser Ala Ser Lys Lys Ser Asn Ser
 355 360 365

Ser Ser Phe Val Leu Ser His Arg Ser Ser Ser Gln Arg Ser Cys Ser
 370 375 380

Gln Pro Ser Thr Ala
385

<210> 2
<211> 4361
<212> DNA
<213> Homo sapiens

<400> 2
tgttaaggct ctgggaccaa cgctgggcga accagctccg ctccggaggg gtctgcgcgg 60
ctggcctcgc ccgcccccta gcggaccctg gcgatagtgc agcctcagcc ccagcgcaca 120
gcgcgcgcatc cagacgctgt ccgcgcgcgc agcctgggag gcgctcctcg ctgcctcct 180
gtacccatcc agcgaccagc caggctgcgg cgaggggatt ccaaccgagg ctccagttag 240
agacctcagc ttagcatcac attaggtgca gccggcaggg catcccaact cgggccggga 300
gcgcacgcgt cactggggcc gtcagtcgcc gtgcaacttc cccgggggga gtcaacttta 360
ggttcgcctg cggactcggg gcagtggagg ccgctgaaca tcccaggaa ctggcacgct 420
gggggctctg ggcttggtgg ccgtagagga ttcccgcctca ttgagctgg ctgagaggag 480
ggtaggacca gcagatccgt ccgtggagtc tccaggagtg gagccccggg cggccctaca 540
ccctccgaca cggcggatcc ggcccagccg cgccaagccg taaagggtc gaaggccggg 600
gcgcaccgct gccgccaggg tcatggaggg cgcgctcgca gccaactgga gcgccgaggc 660
agccaacgcc agcgccgcgc cggcgggggc cgagggaac cgcaccgccg gacccccgcg 720
gcgcaacgag gccctggcgc gcgtggaggt ggcggtgctg tgtctcatcc tgctcctggc 780
gctgagcggg aacgcgtgtg tgctgctggc gctgcgcacc acacgccaga agcactcgcg 840
cctcttcttc ttcataagc acctaaagc cgccgacctg gtggtggcag tgtttcaggt 900
gctgcgcgag ttgctgtggg acatcacctt ccgcttctac gggcccagacc tgctgtgccg 960
cctggtcaag tacttgaggg tgggtggcat gttcgctcc acctacctgc tgctgtcat 1020
gtccctggac cgctgcctgg ccatctgcca gccgctgcgc tcgctgcgcc gccgcaccga 1080
ccgctggca gtgctgcga cgtggctcgg ctgctgggtg gccagcgcgc cgcaggtgca 1140
catcttctct ctgcgcgagg tggtgacgg cgtcttcgac tgctgggccc tcttcatcca 1200
gccctgggga cccaaggcct acatcacatg gatcacgcta gctgtctaca tcgtgccggt 1260
catcgtgctc gctgcctgct acggccttat cagcttcaag atctggcaga acttgccggt 1320
caagaccgct gcagcggcgg cggccgaggc gccagagggc gcggcggctg gcgatggggg 1380
gcgcgtggcc ctggcgcgtg tcagcagcgt caagctcatc tccaaggcca agatccgcac 1440
ggtcaagatg actttcatca tcgtgctggc cttcatcgtg tgctggacgc ctttcttctt 1500

cgtgcagatg	tggagcgtct	gggatgccaa	cgcgcccaag	gaagcctcgg	ccttcacat	1560
cgtcatgctc	ctggccagcc	tcaacagctg	ctgcaacccc	tggatctaca	tgctgttcac	1620
gggccacctc	ttccacgaac	tcgtgcagcg	cttcctgtgc	tgctccgcca	gctacctgaa	1680
gggcagacgc	ctgggagaga	cgagtgccag	caaaaagagc	aactcgtcct	cctttgtcct	1740
gagccatcgc	agctccagcc	agaggagctg	ctcccagcca	tccacggcgt	gacccaccag	1800
ccagggccag	ggctgcagcc	tgaggctcag	gctgtgctgg	cataagtgct	ctgctcctag	1860
gtgatggcgt	atgttttgtgt	ataaggtacc	tatcagtttg	tatccctccc	ctccttgggg	1920
tggcttcagt	ggggtggaga	gtggcctcca	tgatggaaga	tgatagggga	ctcagccatc	1980
agacaacacc	ctggcctcct	acacgtactt	ctaccaccct	gaacccactg	ctgccttggg	2040
cagtgagtgg	cttgtttttt	ctcctggact	tgtaatttca	ctccagtata	tttttacttc	2100
ttcattcttg	gatatttgtga	aaagcggtaa	atataggatt	ggtgaccaat	tgggtcagga	2160
agtccagtgt	tctggacttg	gggtaagcag	tggggttggg	acctcagatg	ggaagggctg	2220
tgctaagatc	ctcctgacct	caaagtgtat	ttgcctttta	gcgaacaaat	gctgggggtcc	2280
ttggggacca	gcttgtcaga	gggtagccct	aagagaaggg	gattaccttg	taagaccatc	2340
tggcgcagtg	gacctattag	aacttgggtt	aaaaatgttt	aagaagctaa	tgtttaagaa	2400
gcatttgga	aagaaaaaga	aataaatgta	tccagatagg	aaaagaagaa	gtaaaactat	2460
ttgcagatga	cacagttttg	tatatagaaa	atcctaagga	actcacacac	acacacacac	2520
acacacacgc	acacagctat	tagaactaat	aagcaagttc	cgcaaggttt	caagatacaa	2580
gatcaatata	caaaaatgaa	ttgtatttct	ttatactagc	aacaaacaat	atgaaaacga	2640
agttaaataa	ttccatttat	aataccatca	gaaagaataa	aataggaatc	aacttaacaa	2700
aacaagtgca	agactgaaaa	ctacaaaatt	ggaaagaaat	taaagaaggc	ttaaataaat	2760
ggaaagacat	cctgtgttca	tggatcagac	ttagtattgt	taagatggca	atactatcct	2820
aactgacatg	cagattcagt	gcaatcctta	tgaaaatcat	agctggcttc	tttacagaaa	2880
ttgataagct	agtcccaaaa	ttcataaaga	aatgcaaggg	accagaata	tccaaataag	2940
ccttgaaaaa	gaacaaagtt	ggtggattca	cacttcctga	tttcataatt	tacgataaag	3000
gtaatcagct	cagtgtgtta	ctggtttaag	gatagacata	cggagcagaa	taaagagtac	3060
agatatgaac	acttatactt	acggtcaatt	gatttttgac	aaggttccca	agacaattca	3120
atagagaaa	gagagtcttt	tcaacaaatg	gcaccgagac	aatgatatgc	aagtgcaaaa	3180
gaatgaggtt	ggacctttac	tcacactatg	tgcaaaaatc	aactcaaaac	gcatccaaga	3240
tctaaatata	agagctgaaa	ctataaaatc	ttagaaagaa	acataggcat	agatctttgt	3300

```

aaccttgaat taggcagtgg tttcttagat atgataccaa agacacaagc aaccaatgga 3360
aaaataggta aattggactt aatcaagatt tgaagctttt gtgattgaaa agaccctatc 3420
aagaagggtga aaagataacc tgcagaatgg gagaaaatat ttgcgagtca tatatatgat 3480
aagggggcttg tatctggaat atataaataa ctcttataac acaacaataa ggagaaaaat 3540
aatcaattt aaaaaatggg ctaacggttt gaatagacat ttctccaaag aagatatgca 3600
aatggctact aagcacatga aaaaatactc aacattatta ttcattaggg aaatgcaagt 3660
caaaatcaca atgagattcc agtttacaat cactaggatg gctacaataa aaagatggac 3720
aagaacgagt gtcggtgagg atgtagagaa actggtagaa atttaaattg ttggtgggaa 3780
tgtaaattgg gcacctgctt tgaaaaacag tttggcagta cctcaaaaag ttaaactgag 3840
agtgaccata tgaccagga atgccactcc taggtattta cccaagagaa atgaaaacgt 3900
acatacacac aaaaacttgt acaccaatgt tcatagcaac attatttgta atagccaaaa 3960
agtggaaaca acccaaagt ctaccaactg atgaatggga aataaaatgt ggtctgtcca 4020
cgcaatggaa cattattaga ctctaaaaag aaatgaagta ctcacacatg ccacaacatg 4080
gatgagcctt gaaaacttgc taagtgaaag aagccaggtg caaaagcca catattgtct 4140
gactgcattg aaatgcaatg tctaaaatgg acgaatctat atagagtga tatagattag 4200
cgtttgccag ggcttgagg ctgtgagaga tgaggcatga ctactaaggg tttggggttt 4260
ctttttcggg tgatgaaaat gttctgaaat tagtggtgat tgtgcacgat tttgagaatg 4320
tactaaaaac caatgaactt taaaaaataa aaataaaca a 4361

```

```

<210> 3
<211> 61
<212> DNA
<213> Homo sapiens

```

```

<400> 3
gagtggcacc cccttcgggt gcctacctaa mccacaagat gtctgcatcg tgggtgtttct 60
c 61

```

```

<210> 4
<211> 61
<212> DNA
<213> Homo sapiens

```

```

<400> 4
ttgagatcaa gaacggtgga cagttacttt rttcatttct tctttcctat ctatacgatt 60
t 61

```

<210> 5
 <211> 61
 <212> DNA
 <213> Homo sapiens

<400> 5
 caccttcagc cttgtcctca gcagtcctcc wacctggaag gcacattccc cacctacaga 60
 a 61

<210> 6
 <211> 61
 <212> DNA
 <213> Homo sapiens

<400> 6
 ttttaagttca tgtaagatg aacttcact wtaagttcaa gaaatccagc tgaagccaag 60
 a 61

<210> 7
 <211> 61
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (53)..(53)
 <223> n is a, c, g, or t

<400> 7
 cggccttatc agcttcaaga tctggcagaa yttgcggtc aagaccgctg cancggcggc 60
 g 61

<210> 8
 <211> 61
 <212> DNA
 <213> Homo sapiens

<400> 8
 gtctacatcg tgccggatcat cgtgctcgct rctgctacg gccttatcag cttcaagatc 60
 t 61

<210> 9
 <211> 61
 <212> DNA
 <213> Homo sapiens

<400> 9
 acctggggaa accaagtctc agagaagttc wgtaccttag ccacgtgac aaaacgtggt 60
 a 61

<210> 10
 <211> 30
 <212> DNA
 <213> Homo sapiens

 <400> 10
 gagtggcacc cccttcggt gcctacctaa 30

 <210> 11
 <211> 30
 <212> DNA
 <213> Homo sapiens

 <400> 11
 ttgagatcaa gaacggtgga cagttacttt 30

 <210> 12
 <211> 30
 <212> DNA
 <213> Homo sapiens

 <400> 12
 caccttcagc cttgtcctca gcagtcctcc 30

 <210> 13
 <211> 30
 <212> DNA
 <213> Homo sapiens

 <400> 13
 ttttaagttca tggttaagatg aacttcact 30

 <210> 14
 <211> 30
 <212> DNA
 <213> Homo sapiens

 <400> 14
 cggccttatc agcttcaaga tctggcagaa 30

 <210> 15
 <211> 30
 <212> DNA
 <213> Homo sapiens

 <400> 15
 gtctacatcg tgccggtcat cgtgctcgct 30

 <210> 16
 <211> 30
 <212> DNA
 <213> Homo sapiens

<400> 16
 acctggggaa accaagtctc agagaagttc 30

<210> 17
 <211> 30
 <212> DNA
 <213> Homo sapiens

<400> 17
 ccacaagatg tctgcatcgt ggtgtttctc 30

<210> 18
 <211> 30
 <212> DNA
 <213> Homo sapiens

<400> 18
 ttcatttctt ctttcctatc tatacgattt 30

<210> 19
 <211> 30
 <212> DNA
 <213> Homo sapiens

<400> 19
 acctggaagg cacattcccc acctacagaa 30

<210> 20
 <211> 30
 <212> DNA
 <213> Homo sapiens

<400> 20
 taagttcaag aaatccagct gaagccaaga 30

<210> 21
 <211> 30
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (22)..(22)
 <223> n is a, c, g, or t

<400> 21
 ttgcggtca agaccgctgc ancgcgggcg 30

<210> 22
 <211> 30
 <212> DNA
 <213> Homo sapiens

<400> 22
cctgctacgg ccttatcagc ttcaagatct 30

<210> 23
<211> 30
<212> DNA
<213> Homo sapiens

<400> 23
gtaccttagc cacgctgaca aaacgtggta 30